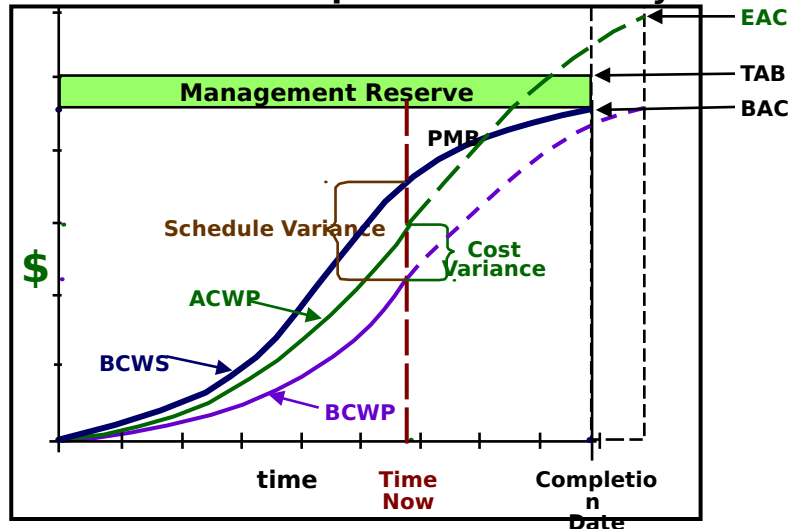




Earned Value Management 'Gold Card'

Defense Acquisition University



VARIANCES

Favorable is Positive, Unfavorable is Negative

Cost Variance $CV = BCWP - ACWP$ $CV \% = (CV /$

$BCWP) * 100$

Schedule Variance $SV = BCWP - BCWS$ $SV \% = (SV /$

$BCWS) * 100$

Variance at Completion $VAC = BAC - EAC$

PERFORMANCE INDICES

Favorable is > 1.0, Unfavorable is < 1.0

Cost Efficiency $CPI = BCWP / ACWP$

Schedule Efficiency $SPI = BCWP / BCWS$

OVERALL STATUS

% Schedule $= (BCWS_{CUM} / BAC) * 100$

% Complete $= (BCWP_{CUM} / BAC) * 100$

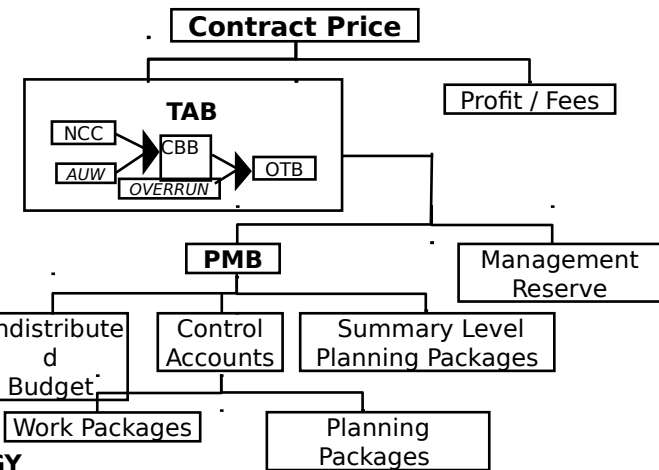
% Spent $= (ACWP_{CUM} / BAC) * 100$

ESTIMATE AT COMPLETION

EAC $= \text{Actuals to Date} + [(Remaining Work) / (Efficiency Factor)]$

EAC_{CPI} $= ACWP_{CUM} + [(BAC - BCWP_{CUM}) / CPI_{CUM}] = BAC / CPI_{CUM}$

EAC_{Composite} $= ACWP_{CUM} + [(BAC - BCWP_{CUM}) / (CPI_{CUM} * SPI_{CUM})]$



TERMINOLOGY

NCC Negotiated Contract Cost	Contract price less profit / fee(s)
AOW Authorized Unpriced Work	Work contractually approved, but not yet negotiated / definitized
CBB Contract Budget Base	Sum of NCC and AOW
OTB Over Target Baseline	Sum of CBB and recognized overrun
TAB Total Allocated Budget	Sum of all budgets for work on contract = NCC, CBB, or OTB
BAC Budget At Completion	Total budget for total contract thru any given level
PMB Performance Measurement Baseline	Contract time-phased budget plan
MR Management Reserve	Budget withheld by Ktr PM for unknowns / risk management
UB Undistributed Budget	Broadly defined activities not yet distributed to CAs
CA Control Account	Lowest CWBS element assigned to a single focal point to scope / schedule / budget
WP Work Package	Near-term, detail-planned activities within a CA
PP Planning Package	Far-term CA activities not yet defined into WPs
BCWS Budgeted Cost for Work Scheduled	Value of work planned to be accomplished = PLANNED VALUE
BCWP Budgeted Cost for Work Performed	Value of work accomplished = EARNED VALUE
ACWP Actual Cost of Work Performed	Cost of work accomplished = ACTUAL COST
EAC Estimate At Completion	Estimate of total cost for total contract thru any given level; may be generated by Ktr, PMO, DCMA, etc. = $EAC_{Ktr / PMO /$

DCMA

LRE Latest Revised Estimate Ktr's EAC or EAC_{Ktr}

SLPP Summary Level Planning Package Far-term activities not yet defined into CAs

TCPI To Complete Performance Index Efficiency needed from 'time now' to achieve an EAC

EVM POLICY:

EVMS = DFARS 252.234-7000; 252.234-7001; & C/SSR = DFARS 252.242-7005; 252.242-7006;

ANSI/EIA-748-A Jan 2002 / Mar 2003; DoDI 5000.2, Table E3.T2; & Defense Acquisition Guidebook <http://acc.dau.mil/evm>

MANAGEMENT REQUIREMENTS - Select pair of Contract Clauses based on cost, risk, criticality: <http://www.dcma.mil> = "One Book"

EVMS EIA-748 Management System Validated as Consistent with EIA-748 Standard at detailed level
eMail Address: EVM@dau.mil
Revised Feb 2004